

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	("5685951"   "5817534"   "6880561").PN.	USPAT	OR	ON	2008/09/03 14:54
S2	1	"20060216949".PN.	US-PGPUB	OR	ON	2008/09/03 15:20
S3	1	S2 and treatment same vessel same quartz	US-PGPUB	OR	ON	2008/09/03 15:21
S4	1	S2 and restrain\$3 same damage same quartz same minutes\$1	US-PGPUB	OR	ON	2008/09/03 15:24
S5	16681	((HF or (hydrogen fluoride) or hydrofluoric) with (NH3 or "NH.sub.3" or ammoni\$2) with (gas or vapor or vapour))	US-PGPUB; USPAT	OR	ON	2008/09/03 15:33
S6	162	((chamber or apparatus or reactor or vessel) with (cleanS3 or etch\$3)) same ((HF or (hydrogen fluoride) or hydrofluoric) with (NH3 or "NH.sub.3" or ammoni\$2) with (gas or vapor or vapour))	US-PGPUB; USPAT	OR	ON	2008/09/03 15:35
S7	0	S1 and quartz	USPAT	OR	ON	2008/09/03 15:48
S8	94	((((HF or (hydrogen fluoride) or hydrofluoric) with (NH3 or "NH.sub.3" or ammoni\$2) with (gas or vapor or vapour))) same (damag\$3 attack\$3 corroded\$3 corrosion react\$3) same quartz	US-PGPUB; USPAT	OR	ON	2008/09/03 15:52
S9	27	S8 and ("134" "438").cls.	US-PGPUB; USPAT	OR	ON	2008/09/03 15:53
S10	2	S9 and (134/22.1,22.18,42 438/770,905).cds.	US-PGPUB; USPAT	OR	ON	2008/09/03 15:53
S11	14	S8 and (((HF or (hydrogen fluoride) or hydrofluoric) with (NH3 or "NH.sub.3" or ammoni\$2) with (gas or vapor or vapour))) same (damag\$3 attack\$3 corroded\$3 corrosion) same quartz	US-PGPUB; USPAT	OR	ON	2008/09/03 15:57

S12	26	((((HF or (hydrogen fluoride) or hydrofluoric) with (NH3 or "NH.sub.3" or ammoni\$2))) same (damag\$3 attack\$3 corrod\$3 corrosion) same quartz	US-PGPUB; USPAT	OR	ON	2008/09/03 16:01
S13	33	((((HF or (hydrogen fluoride) or hydrofluoric) and (NH3 or "NH.sub.3" or ammoni\$2))) and (damag\$3 attack\$3 corrod\$3 corrosion) and quartz	FPRS; EPO; JPO; DERWENT	OR	ON	2008/09/03 16:04
S14	1	S2 and quartz	US-PGPUB	OR	ON	2008/09/03 16:11
S15	344	((((HF or (hydrogen fluoride) or hydrofluoric) with (NH3 or "NH.sub.3" or ammoni\$2) with (gas or vapor or vapour))) same (damag\$3 attack\$3 corrod\$3 corrosion react\$3) same (quartz "SiO.sub.2" (silicon adj (oxide\$1 dioxide\$1)) agate bloodstone chalcedony jasper (rock adj crystal) amethyst citrine)	US-PGPUB; USPAT	OR	ON	2008/09/03 16:22
S16	47	S15 and (((HF or (hydrogen fluoride) or hydrofluoric) with (NH3 or "NH.sub.3" or ammoni\$2) with (gas or vapor or vapour))) same (damag\$3 attack\$3 corrod\$3 corrosion) same (quartz "SiO.sub.2" (silicon adj (oxide\$1 dioxide\$1)) agate bloodstone chalcedony jasper (rock adj crystal) amethyst citrine)	US-PGPUB; USPAT	OR	ON	2008/09/03 16:23
S17	33	S16 and ("134" "438").clas.	US-PGPUB; USPAT	OR	ON	2008/09/03 16:23
S18	75	S6 and ((chamber or apparatus or reactor or vessel) with (clean\$3 or etch\$3)) same (second\$2 minute\$1)	US-PGPUB; USPAT	OR	ON	2008/09/03 16:45
S19	65	S18 and ((chamber or apparatus or reactor or vessel) with (clean\$3 or etch\$3)) same second\$2	US-PGPUB; USPAT	OR	ON	2008/09/03 16:46

S20	22	S18 and ((chamber or apparatus or reactor or vessel) with (clean\$3 or etch\$3)) same (less under most) same (second\$2 minute\$1)	US-PGPUB; USPAT	OR	ON	2008/09/03 16:46
S21	55	S18 and ((chamber or apparatus or reactor or vessel) with (clean\$3 or etch\$3)) with (second\$2 minute\$1)	US-PGPUB; USPAT	OR	ON	2008/09/03 16:47
S22	50	S18 and ((chamber or apparatus or reactor or vessel) with (clean\$3 or etch\$3)) with second\$2	US-PGPUB; USPAT	OR	ON	2008/09/03 16:47
S23	50	S18 and ((chamber or apparatus or reactor or vessel) with (clean\$3 or etch\$3)) with seconds	US-PGPUB; USPAT	OR	ON	2008/09/03 16:49
S24	0	S18 and ((chamber or apparatus or reactor or vessel) with (clean\$3 or etch\$3)) with (seconds not second)	US-PGPUB; USPAT	OR	ON	2008/09/03 16:49
S25	2	S1 and (quartz *\$1O. sub.2" (silicon adj (oxide\$1 dioxide\$1)) agate bloodstone chalcedony jasper (rock adj crystal) amethyst citrine)	US-PGPUB; USPAT	OR	ON	2008/09/03 17:20
S26	1	S2 and (assg bsg)	US-PGPUB	OR	ON	2008/09/03 17:33
S27	0	S1 and (assg bsg arsenic boron)	US-PGPUB	OR	ON	2008/09/03 17:34
S28	1	S16 and ((arsenic adj silicate) aasg) and ((boron adj silicate) bsg) and (teos (Tetraethyl orthosilicate))	US-PGPUB; USPAT	OR	ON	2008/09/03 17:39
S29	1	S16 and ((arsenic adj silicate) aasg) and ((boron adj silicate) bsg)	US-PGPUB; USPAT	OR	ON	2008/09/03 17:40
S30	20	S5 and ((arsenic adj silicate) aasg) and ((boron adj silicate) bsg) and (teos (Tetraethyl orthosilicate))	US-PGPUB; USPAT	OR	ON	2008/09/03 17:41
S31	1	S2 and semiconductor	US-PGPUB	OR	ON	2008/09/03 18:53
S32	1	"6352591".pn.	US-PGPUB; USPAT	OR	ON	2008/09/03 19:30

S33	12	((S13 S32) and (pressur\$5 torr\$2 atmospher\$2 atm kpa\$1 kilopascal\$1 pa\$1 pascal\$1))	US-PGPUB; USPAT; USOCR, FPRS, EPO, JPO, DERWENT	OR	ON	2008/09/03 19:33
S34	8	"286424". PN.	FPRS, EPO, JPO, DERWENT	OR	ON	2008/09/12 17:54
S35	1621	((HF or (hydrogen adj fluoride\$1) or (hydrofluoric adj acid\$1)) with (NH3 or "NH.sub.3" or ammoni\$3) with (gas or vapor or vapour))	US-PGPUB; USPAT	OR	ON	2008/09/12 17:59
S36	287	S35 and quartz	US-PGPUB; USPAT	OR	ON	2008/09/12 18:04
S37	49	S36 and clean\$4 with heat \$3	US-PGPUB; USPAT	OR	ON	2008/09/12 18:05
S38	178	S36 and clean\$4	US-PGPUB; USPAT	OR	ON	2008/09/12 18:09
S39	14	S37 and quartz same treat \$4	US-PGPUB; USPAT	OR	ON	2008/09/12 18:10
S40	45	S38 and quartz same treat \$4	US-PGPUB; USPAT	OR	ON	2008/09/12 18:10
S41	33	S40 and vacuum	US-PGPUB; USPAT	OR	ON	2008/09/12 18:11
S42	89	S36 and quartz same (clean \$4 treat\$4)	US-PGPUB; USPAT	OR	ON	2008/09/12 18:14
S43	57	S42 and vacuum	US-PGPUB; USPAT	OR	ON	2008/09/12 18:15
S44	480	((HF or (hydrogen adj fluoride\$1) or (hydrofluoric adj acid\$1)) with (NH3 or "NH.sub.3" or ammoni\$3) with (gas or vapor or vapour))	FPRS, EPO; JPO, DERWENT	OR	ON	2008/09/12 18:19
S45	12	S44 and quartz	FPRS, EPO; JPO, DERWENT	OR	ON	2008/09/12 18:20
S46	2	("5817534" "6352591"). pn.	USPAT; USOCR	OR	ON	2008/09/12 19:19
S47	1	S46 and temperature same ("100" "200" "300")	USPAT; USOCR	OR	ON	2008/09/12 19:20
S48	2	S46 and clean\$4 same (temperature\$1 "100" "200" "300")	USPAT; USOCR	OR	ON	2008/09/12 19:23
S49	1	S46 and pressur\$4 same (\$2pa torr\$2)	USPAT; USOCR	OR	ON	2008/09/12 19:38
S50	1	S46 and clean\$4 same (pressur\$4 \$2pa torr\$2 \$4pascal)	USPAT; USOCR	OR	ON	2008/09/12 19:39

S51	1	"20060216949".pn.	US-PGPUB	OR	ON	2008/09/12 20:33
S52	1	S51 and restrain\$4	US-PGPUB	OR	ON	2008/09/12 20:33
S53	1	"20060216949".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/04 16:46
S54	4	("5685951"   "5817534"   "6352591"   "6880561"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/04 16:47
S55	1	"5282925".PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/04 16:47
S56	1	"6224153".PN.	FPRS; EPO; JPO; DERWENT	OR	ON	2009/03/04 17:04

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